

## SB 62 PROJECT REPORT

March 2007

Project	Grant Amount	Project Summary
Humboldt River Basin Water Authority	\$120,000.00	Assemble existing information into a water resources data base in support of threats to water rights. Develop recommendations for collection of additional necessary data. Develop a public information program. Deliver a summary report for each county describing available forecast of economic/demographic conditions and related water.
Esmeralda County	\$16,245.85	<p>All water rights identified in four hydrographic basins have been reviewed. A field reconnaissance trip was conducted with the State Engineers office to physically site in the locations for the point of diversion for water rights and ascertain the manner by which the appropriated water is being exercised. The existing conditions of all water rights will be finalized in December 2006. Strategies will be developed with the assistance of the County in early 2007 with a final report due to the County and State by March 2007. (Conduct a physical reconnaissance of the County's present water uses &amp; existing water rights and develop a strategy to enhance and protect the County's water rights to ensure present and future water demands can be met. Write a water rights management plan.)</p> <p>Progress Report, January 2007: An evaluation of the water rights has been conducted and a draft of the report is complete.</p>
Town of Tonopah	\$11,250.00	Assemble all active surface and groundwater rights for Ralston Valley Hydrographic Basin No. 141, Big Smokey – Tonopah Flat Hydrographic Basin No. 137, and Alkali Spring Valley Hydrographic Basin No. 142.
Churchill County	\$36,500.00	<p>Update of the County's Water Resources Plan for surface and groundwater resources. Review of all county records relating to water resource requirements, both existing and projected. Update of the water resource ownership in the County.</p> <p>Progress Report, January 2007: A draft of the County's Water Resources Plan has been produced and is now in review.</p>
Eureka County	\$120,000.00	Compile and develop a database of existing water-level data and supporting hydrologic information as the basis for developing a baseline of water-level measurements for Nevada's Central Hydrographic Region. Create maps showing a spatial distribution of existing water level data.
Gerlach	\$92,833.42	<p>A database of spring flow and quality and a groundwater model will be developed to determine any changes that might result from the proposed development in the basin that might adversely affects the two springs (Garden and Railroad Springs) that provide water to Gerlach.</p> <p>Progress Report, January 2007: Data loggers have been installed at springs; Flow meters were planned to be installed at the springs in January 2007; Monitoring of water level and discharge rate from the springs will be conducted over 3-6 months for use in calibration of the groundwater model.</p>

LVVWD – Kyle Canyon	\$27,184.72	<p>Install 100 Permalog units for the detection of subsurface leaks and acquisition of a Patroller unit for data collection. This system will allow operators to find and repair leaks, protecting millions of gallons of water previously lost to the system.</p> <p>Progress Report, December 2006: 30 leak detection units have been installed in the Rainbow subdivision. The balance of the work will be completed after the product has been proven suitable to the area's winter conditions. The remaining work should be completed by summer 2007.</p>
City of Fernley	\$38,680.59	Reconcile all past and future mapping difficulties by attempting to develop a new GIS map of all Truckee Diversion surface water rights within the City of Fernley.
Virgin Valley Water District	\$116,041.77	Analyze water quality information from throughout the watershed region to develop a conceptual model of groundwater flow, mixing and hydrologic connection through naturally occurring chemical tracers, and develop a steady-state representation of the predevelopment conditions of the regional groundwater flow systems utilizing modifications of previous models to develop a comprehensive numerical model.
White Pine County	\$116,041.77	<p>Update information (including: hydrogeologic framework, groundwater hydrology, and regional groundwater flow system) on County's water resources and update the Water Resources Plan to assist in identifying potential water use and needs based on scenarios for growth and development.</p> <p>Progress Report, December 2006: A Legal and Regulatory Framework Manual was completed and provided to the Water Advisory Committee and current County Commissioners. A socio-economic report was compiled to help the County understand its development potential based on past and current experience and the water resources in each of its basins. The County and its contractor identified surface and groundwater commitments by status and manner of use in each of its basins. In addition, an annotated bibliography of resource material was compiled to help the County understand its water resources and issues. Sites for continued water resource monitoring were identified and a GIS database was developed to assist the County in its water resources program. The Monitoring Protocol and Mitigation Procedures document is under review and will require further revision to ensure that they are workable and in compliance with County policy, state requirements, and scientific standards. The contractor is assisting the County in determining alternatives that will assist the Water Advisory Committee in recommending specific action to the County Commission. A strategy is being developed to provide and on-going review and revision of the County's Water Resource Plan.</p>
LVVWD – Searchlight	\$150,000.00	<p>Drill and develop 4 new monitoring wells to better understand the groundwater resource and groundwater quality in Paiute Valley and the Eldorado Valley Basins. One of the 4 wells will be funded by this grant.</p> <p>Progress Report, Dec 2006: LVVWD is evaluating site locations in Piute Valley for potential monitoring wells. The project schedule includes an Environmental Assessment and rights-of-way by February 2008; Bidding completed by June 2008; and Monitoring wells completed by December 2008.</p>
Topaz Ranch Estates	\$5221.88	Identification and mapping of proposed point of use/place of diversion for the existing 9 water rights permits.
Central Nevada Regional Water Authority	\$150,000.00	Compile and document the baseline information required to determine long-term changes in groundwater levels in order to evaluate the sustainability of present groundwater supplies secured under existing water rights, analyze the impacts of future development, and support future actions by local governments. A funding agreement has been signed.